

# CD105/Endoglin Rabbit mAb

Catalog No.: A25536 **Recombinant**

## Basic Information

### Observed MW

95kDa

### Calculated MW

67kDa/70kDa

### Category

Primary antibody

### Applications

ELISA,WB,FC

### Cross-Reactivity

Human

### CloneNo number

ARC62399

## Background

This gene encodes a homodimeric transmembrane protein which is a major glycoprotein of the vascular endothelium. This protein is a component of the transforming growth factor beta receptor complex and it binds to the beta1 and beta3 peptides with high affinity. Mutations in this gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia. This gene may also be involved in preeclampsia and several types of cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:1000
<b>FC</b>	1:500 - 1:1000

## Immunogen Information

### Gene ID

2022

### Swiss Prot

P17813

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 26-337 of human CD105/Endoglin(NP\_001108225.1).

### Synonyms

END; HHT1; ORW1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

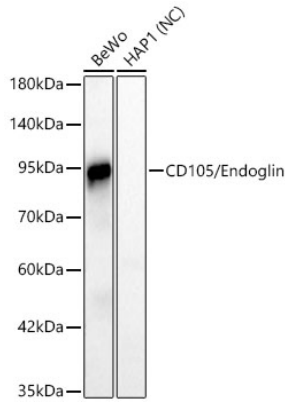
Affinity purification

### Storage

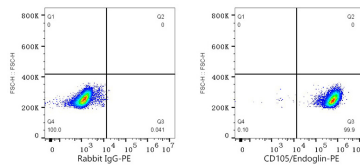
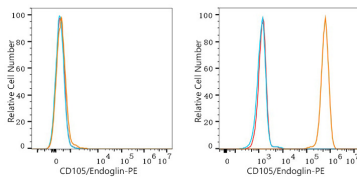
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of various lysates using CD105/Endoglin Rabbit mAb (A25536) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC): HAP1. Exposure time: 30s.



Flow cytometry:  $1 \times 10^6$  HAP1 cells (negative control, left) and HUVEC cells (right) were surface-stained with CD105/Endoglin Rabbit mAb (A25536, 2 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by PE Donkey anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  HUVEC cells were surface-stained with Rabbit IgG isotype control (AC042, 2 µg/mL, left) or CD105/Endoglin Rabbit mAb (A25536, 2 µg/mL, right), followed by PE Donkey anti-Rabbit pAb staining.